

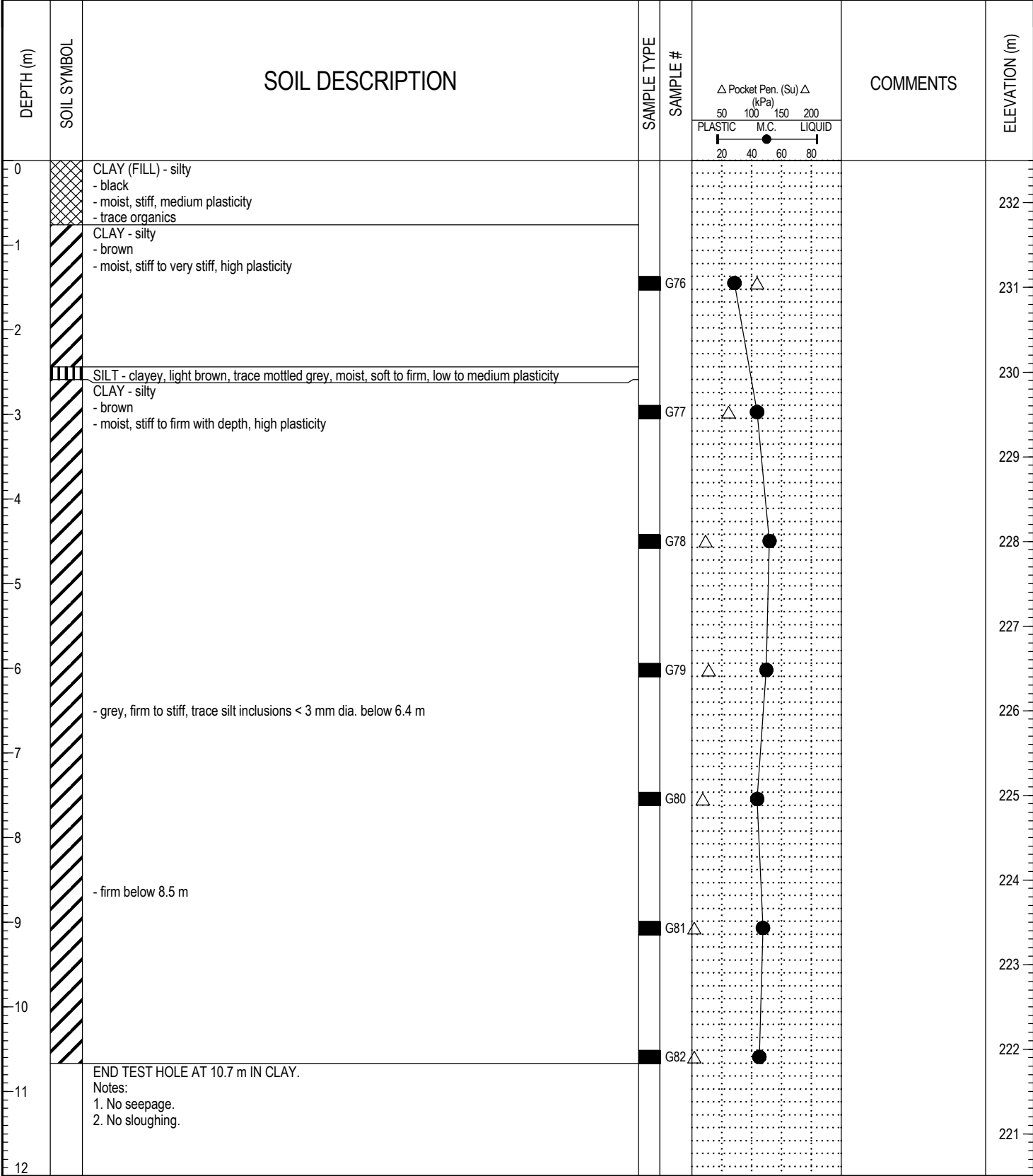
APPENDIX A
TEST HOLE LOGS

PROJECT: Alexander Bannatyne - Combined Sewer Relief	CLIENT: City of Winnipeg, W&W Department	TESTHOLE NO: TH-05-11
LOCATION: Furby St at William Ave		PROJECT NO.: D265-177-02
CONTRACTOR: Paddock Drilling Ltd.	METHOD: 125 mm Solid Stem Augers	ELEVATION (m): 232.15
SAMPLE TYPE	<input checked="" type="checkbox"/> GRAB <input type="checkbox"/> SHELBY TUBE <input type="checkbox"/> SPLIT SPOON <input type="checkbox"/> BULK <input type="checkbox"/> NO RECOVERY <input type="checkbox"/> CORE	

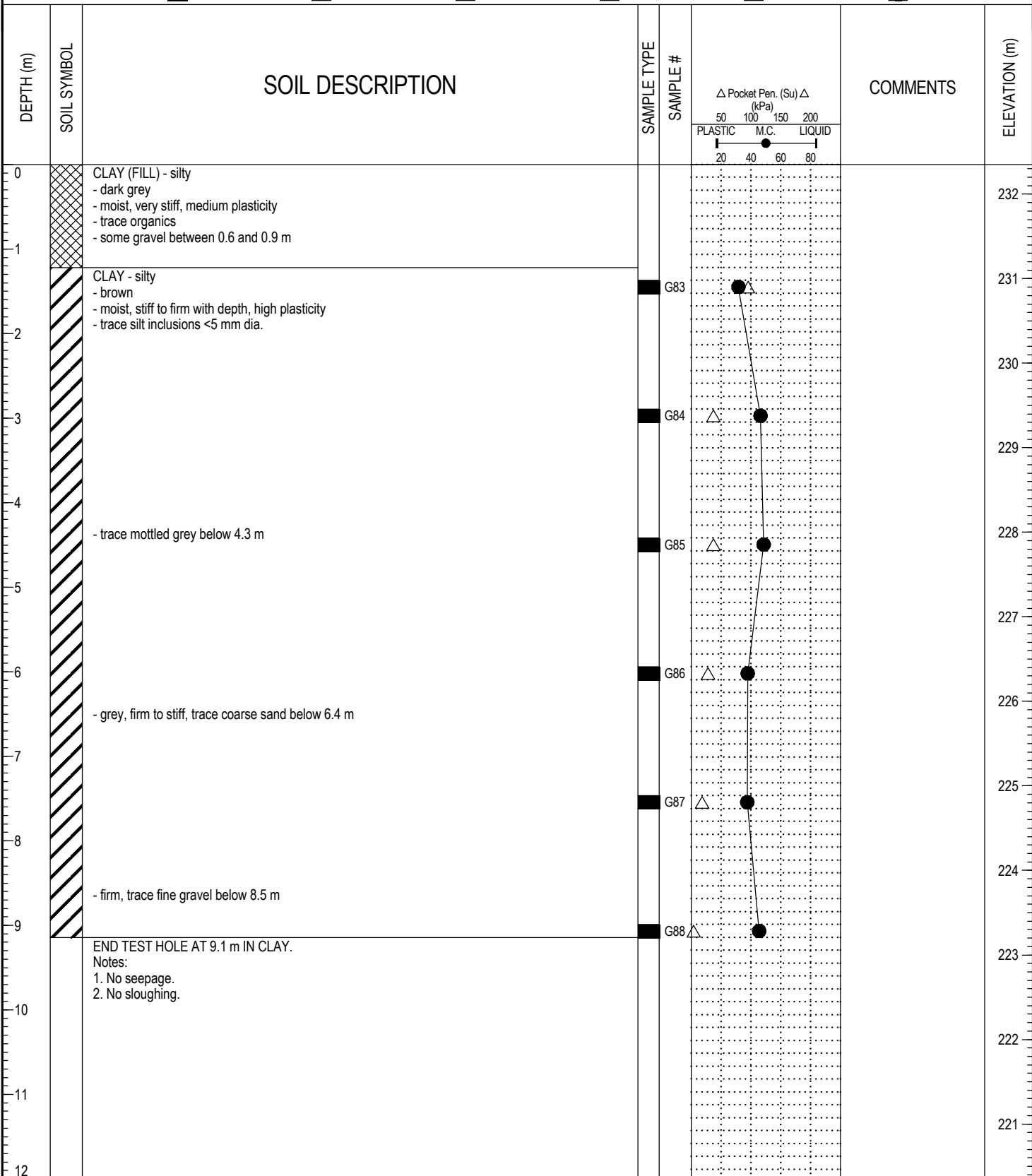
DEPTH (m)	SOIL SYMBOL	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE #	Δ Pocket Pen. (Su) Δ (kPa) 50 100 150 200 PLASTIC M.C. LIQUID 20 40 60 80	COMMENTS	ELEVATION (m)
0		CLAY (FILL) - silty - brown mottled black - moist, stiff, medium plasticity - trace organics					232
1		CLAY - silty - brown - moist, stiff to firm with depth, high plasticity - trace silt inclusions <5 mm dia.		G70	●		231
2							230
3				G71	Δ		229
4				G72	Δ		228
5		- trace mottled grey below 5.2 m					227
6		- grey, firm below 6.1 m		G73	Δ		226
7							225
8		- trace silt inclusions <10 mm dia. below 7.3 m		G74	Δ		224
9				G75	Δ		223
10		END TEST HOLE AT 9.1 m IN CLAY. Notes: 1. No seepage. 2. No sloughing.					222
11							221
12							

LOG OF TESTHOLE CONTRACT2B.GPJ UMA.GDT 10/18/05

PROJECT: Alexander Bannatyne - Combined Sewer Relief	CLIENT: City of Winnipeg, W&W Department	TESTHOLE NO: TH-05-12
LOCATION: Bannatyne Ave at Furby St		PROJECT NO.: D265-177-02
CONTRACTOR: Paddock Drilling Ltd.	METHOD: 125 mm Solid Stem Augers	ELEVATION (m): 232.5
SAMPLE TYPE	<input checked="" type="checkbox"/> GRAB <input type="checkbox"/> SHELBY TUBE <input type="checkbox"/> SPLIT SPOON <input type="checkbox"/> BULK <input type="checkbox"/> NO RECOVERY <input type="checkbox"/> CORE	

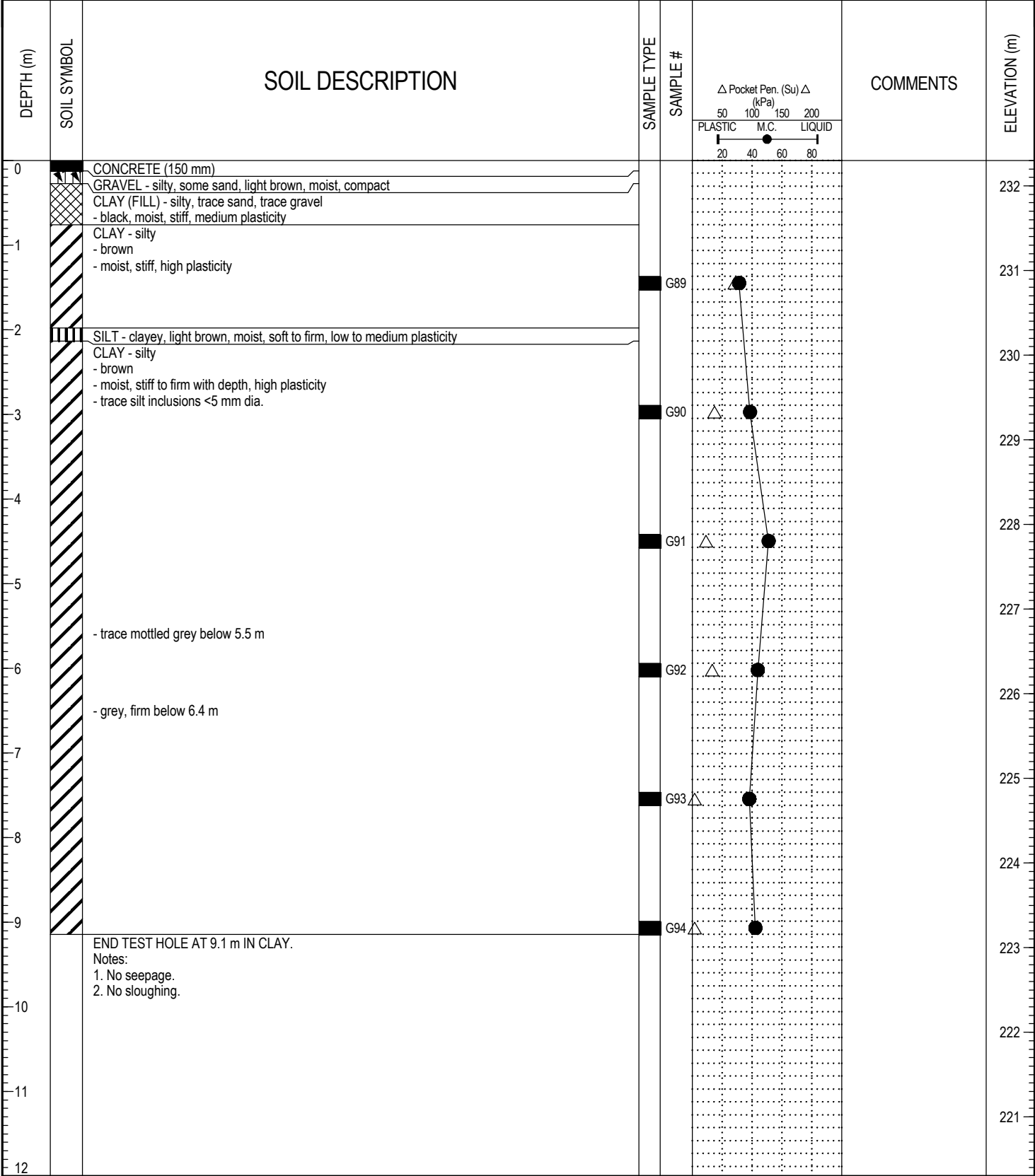


PROJECT: Alexander Bannatyne - Combined Sewer Relief	CLIENT: City of Winnipeg, W&W Department	TESTHOLE NO: TH-05-13
LOCATION: Across from 60 Lydia St		PROJECT NO.: D265-177-02
CONTRACTOR: Paddock Drilling Ltd.	METHOD: 125 mm Solid Stem Augers	ELEVATION (m): 232.35
SAMPLE TYPE	<input checked="" type="checkbox"/> GRAB <input type="checkbox"/> SHELBY TUBE <input type="checkbox"/> SPLIT SPOON <input type="checkbox"/> BULK <input type="checkbox"/> NO RECOVERY <input type="checkbox"/> CORE	



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PROJECT: Alexander Bannatyne - Combined Sewer Relief	CLIENT: City of Winnipeg, W&W Department	TESTHOLE NO: TH-05-14
LOCATION: Maryland St at Notre Dame Ave		PROJECT NO.: D265-177-02
CONTRACTOR: Paddock Drilling Ltd.	METHOD: 125 mm Solid Stem Augers	ELEVATION (m): 232.3
SAMPLE TYPE	<input checked="" type="checkbox"/> GRAB <input type="checkbox"/> SHELBY TUBE <input checked="" type="checkbox"/> SPLIT SPOON <input type="checkbox"/> BULK <input checked="" type="checkbox"/> NO RECOVERY <input type="checkbox"/> CORE	

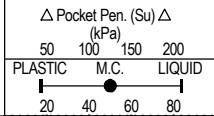


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PROJECT: Alexander Bannatyne - Combined Sewer Relief	CLIENT: City of Winnipeg, W&W Department	TESTHOLE NO: TH-05-15
LOCATION: Maryland St at Wellington Ave		PROJECT NO.: D265-177-02
CONTRACTOR: Paddock Drilling Ltd.	METHOD: 125 mm Solid Stem Augers	ELEVATION (m): 232.1
SAMPLE TYPE	<input checked="" type="checkbox"/> GRAB <input type="checkbox"/> SHELBY TUBE <input checked="" type="checkbox"/> SPLIT SPOON <input type="checkbox"/> BULK <input checked="" type="checkbox"/> NO RECOVERY <input type="checkbox"/> CORE	

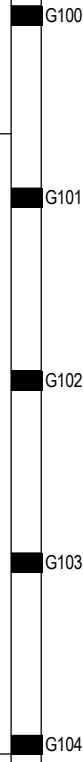
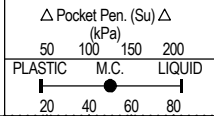
DEPTH (m)	SOIL SYMBOL	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE #	COMMENTS	ELEVATION (m)
0		CLAY (FILL) - silty - brown mottled black - moist, stiff, medium plasticity - trace organics				232
1		CLAY - silty - brown - moist, stiff to very stiff, high plasticity		G95		231
2		SILT - clayey, light brown, moist, firm, low to medium plasticity				230
3		CLAY - silty - brown - moist, stiff to firm with depth, high plasticity - trace silt inclusions <5 mm dia.		G96		229
4				G97		228
5				G98		227
6		- grey, firm below 5.8 m		G98		226
7		- trace coarse sand below 7.0 m		G99		225
8		END TEST HOLE AT 7.6 m IN CLAY. Notes: 1. No seepage. 2. No sloughing.				224
9						223
10						222
11						221
12						

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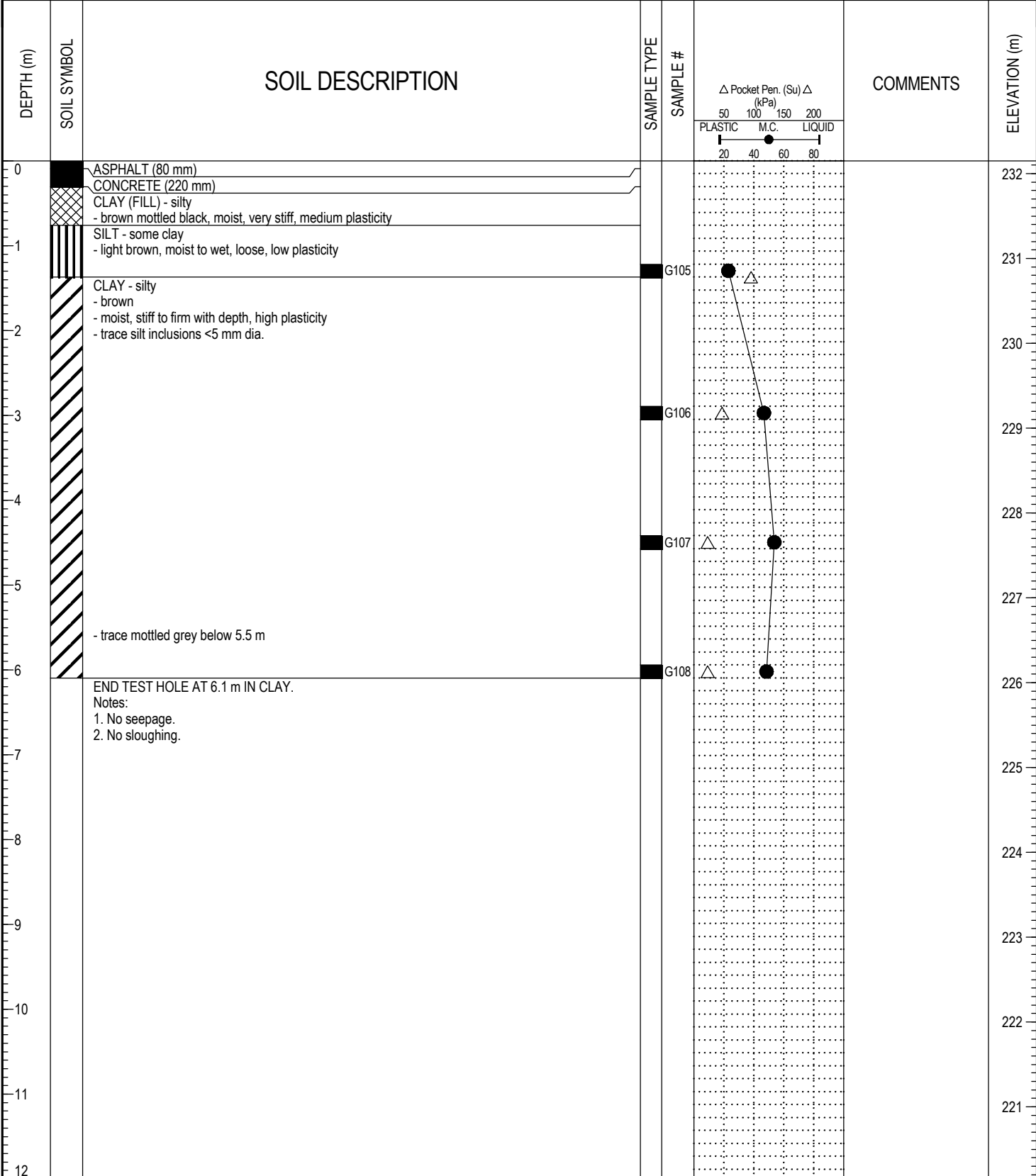
PROJECT: Alexander Bannatyne - Combined Sewer Relief	CLIENT: City of Winnipeg, W&W Department	TESTHOLE NO: TH-05-16
LOCATION: 739 McGee St		PROJECT NO.: D265-177-02
CONTRACTOR: Paddock Drilling Ltd.	METHOD: 125 mm Solid Stem Augers	ELEVATION (m): 232.15
SAMPLE TYPE	<input checked="" type="checkbox"/> GRAB <input type="checkbox"/> SHELBY TUBE <input checked="" type="checkbox"/> SPLIT SPOON <input type="checkbox"/> BULK <input checked="" type="checkbox"/> NO RECOVERY <input type="checkbox"/> CORE	

DEPTH (m)	SOIL SYMBOL	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE #	COMMENTS	ELEVATION (m)
0		CLAY (FILL) - silty - brown mottled black - moist, stiff, medium plasticity - trace organics - some gravel to gravelly between 0 and 1.8 m				232
1						231
2						230
3		CLAY - silty - brown - moist, stiff to firm with depth, high plasticity - trace sulphates between 2.4 and 3.0 m				229
4		- trace mottled grey below 4.3 m - trace oxidized inclusions between 4.3 and 5.8 m				228
5						227
6		- grey, firm below 5.8 m - trace coarse sand below 6.4 m				226
7						225
8		END TEST HOLE AT 7.6 m IN CLAY. Notes: 1. No seepage. 2. No sloughing.				224
9						223
10						222
11						221
12						



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PROJECT: Alexander Bannatyne - Combined Sewer Relief	CLIENT: City of Winnipeg, W&W Department	TESTHOLE NO: TH-05-17
LOCATION: 678 McGee St		PROJECT NO.: D265-177-02
CONTRACTOR: Paddock Drilling Ltd.	METHOD: 125 mm Solid Stem Augers	ELEVATION (m): 232.15
SAMPLE TYPE	<input checked="" type="checkbox"/> GRAB <input type="checkbox"/> SHELBY TUBE <input checked="" type="checkbox"/> SPLIT SPOON <input type="checkbox"/> BULK	<input checked="" type="checkbox"/> NO RECOVERY <input type="checkbox"/> CORE



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